ThinkPad®

Product Specifications Reference
Lenovo® ThinkPad® S/E Series Notebooks

February 2014 - Version 450 (Western Europe)

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ThinkPad®

Lenovo® ThinkPad Twist S230u
(Tent Mode)

Lenovo® ThinkPad Twist S230u
(Tablet Mode)

Lenovo® ThinkPad Twist S230u
(Notebook Mode)

Lenovo® ThinkPad Twist S230u
(Stand Mode)

Lenovo® ThinkPad Twist S230u

Lenovo® ThinkPad Twist S230u

ThinkPad® Twist S230u (3347) - TopSeller

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Bat-tery cells	Preload	Ann date (mm/yy)
3347-4TG	i3-2375M	2GB	12.5" HD *Multi*	720p	320G 7200	Intel 2230	16GB	None	Black	BT	8	Win8 64	01/13

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***A depot repair service 1-year limited warranty***

Positioning	*Convertible tablet; one spindle*
Processor	**Intel® Core™ i3-2375M processor (2 cores, 1.50GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology
Memory	2G / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**12.5"** (317.5mm) **HD (1366x768) TFT color**, smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS**, rotate and swivel hinge** *Bottom buttons:* volume up / down and Windows buttons *Side buttons:* power and auto rotation buttons
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 3000** in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600 (Mini DisplayPort)@60Hz; 1920x1200 (Mini HDMI)@60Hz
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
Light sensor	Ambient light sensor
ThinkLight™	None
Dimensions[3]	*8-cell:* 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm
Weight[2]	*8-cell:* from 3.50 lb (1.60kg)
Case material	*Display cover:* Magnesium + Polyphenylene sulfide (PPS); *Bottom:* Magnesium + PPS
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication
Extended Battery	None
Battery - life[10]	*8-cell (42.4Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)
ExpressCard	None
Smart Card Read	None
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows® 8 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC Adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
ROHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced January 1, 2013

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ThinkPad® Twist S230u (3347) - TopSeller (Ultrabook)

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Bat-tery cells	Preload	Ann date (mm/yy)
3347-29G	i7-3517U	8GB	12.5" HD *Multi*	720p	128G SSD	Intel 2230	Ericsson	Selectable	Black	BT	8	Win8 Pro64	10/12
3347-28G	i7-3517U	8GB	12.5" HD *Multi*	720p	128G SSD	Intel 2230	Ericsson	Selectable	Black	BT	8	Win8 64	10/12
3347-27G	i5-3317U	4GB	12.5" HD *Multi*	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-26G	i5-3317U	4GB	12.5" HD *Multi*	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 64	10/12
3347-4PG	i3-3217U	4GB	12.5" HD *Multi*	720p	320G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	12/12
3347-4NG	i3-3217U	4GB	12.5" HD *Multi*	720p	320G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 64	12/12
3347-8TG	i3-3217U	4GB	12.5" HD *Multi*	720p	128G SSD	Intel 2230	Ericsson	Selectable	Black	BT	8	Win8 Pro64	08/13

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***A depot repair service 1-year limited warranty***

Positioning	*Convertible tablet ultrabook™; one spindle*
Processor	**Intel® Core™ i3-3217U processor (2 cores, 1.80GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3317U processor (2 cores, 1.70GHz, 3MB Cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology **Intel Core i7-3517U processor (2 cores, 1.90GHz, 4MB Cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	4GB or 8GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable
mSATA™ SSD	*Some:* 24GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**12.5"** (317.5mm) **HD (1366x768) TFT color**, smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS**, rotate and swivel hinge** *Bottom buttons:* volume up / down and Windows buttons *Side buttons:* power and auto rotation buttons
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600 (Mini DisplayPort)@60Hz; 1920x1200 (Mini HDMI)@60Hz
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
Light sensor	Ambient light sensor
ThinkLight™	None
Dimensions[3]	*8-cell:* 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm
Weight[2]	*8-cell:* from 3.50 lb (1.60kg)
Case material	*Display cover:* Magnesium + Polyphenylene sulfide (PPS); *Bottom:* Magnesium + PPS
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication
Extended Battery	None
Battery - life[10]	*8-cell (42.4Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)
ExpressCard	None
Smart Card Read	None
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC Adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
ROHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23 or December 4, 2012; August 20, 2013

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Lenovo® ThinkPad Edge E130

Lenovo ThinkPad Edge E130

Lenovo ThinkPad Edge E130

Lenovo ThinkPad Edge E130

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Lenovo ThinkPad Edge E130

ThinkPad® Edge E130 3358 (Intel) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Blue-tooth	Preload	Ann Date (mm/yy)
3358-5GG	Pen 977	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Black	BT	None	05/12
3358-5FG	Pen 977	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Red	BT	Prem 64	05/12
3358-5EG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	16GB mSATA	None	Red	BT	Prem 64	05/12
3358-5DG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	Ericsson	Selectable	Black	BT	Pro 64	05/12
3358-6SG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Blue	BT	Prem 64	06/12
3358-28G	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Pro 64	06/12
3358-7DG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Prem 64	08/12
3358-7CG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Pro 64	08/12
3358-8DG	Pen 997	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Black	BT	DOS-Lic.	10/12
3358-B8G	i3-3227U	4GBx1	11.6" HD	glossy	720p	500G 7200	Intel 2230	None	None	Black	BT	DOS-Lic.	03/13
3358-BBG	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	DOS-Lic.	04/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Pentium® 977 processor (2 cores, 1.40GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Pentium 997 processor (2 cores, 1.60GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2365M processor (2 cores, 1.40GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2367M processor (2 cores, 1.40GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3227U processor (2 cores**, **1.90GHz**, **3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics**, **Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* No operating system
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14]
(Windows 7 models; only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- TrueSuite™ (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Microsoft® Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced May 29, June 12, August 7 or October 2, 2012; March 19 or April 16, 2013

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ThinkPad® Edge E130 3358 (Intel) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Blue-tooth	Preload	Ann Date (mm/yy)
3358-8SG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win7 Pro64	10/12
3358-8RG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Win7 Pro64	10/12
3358-8QG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Black	BT	Win7 Pro64	10/12
3358-8CG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Blue	BT	Win8 64	10/12
3358-8BG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Black	BT	Win8 Pro64	10/12
3358-8AG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Win8 Pro64	10/12
3358-89G	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	16GB	None	Red	BT	Win8 64	10/12
3358-88G	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 Pro64	10/12
3358-87G	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 64	10/12
3358-86G	Pen 997	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Red	BT	Win8 64	10/12
3358-9GG	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 64	01/13
3358-9FG	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win7 Pro64	01/13
3358-9EG	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 Pro64	01/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Pentium® 997 processor (2 cores, 1.60GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2365M processor (2 cores, 1.40GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2375M processor (2 cores, 1.50GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3217U processor (2 cores, 1.80GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics**, **Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012 or January 22, 2013

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ThinkPad® Edge E130 3358 (Intel) - TopSeller (Windows 8) - II

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Blue-tooth	Preload	Ann Date (mm/yy)
3358-B2G	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	None	None	Black	BT	Win8 64	02/13
3358-AZG	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	500G 5400	Intel 2230	None	None	Black	BT	Win7 Pro64	02/13
3358-AYG	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Red	BT	Win8 64	02/13
3358-AXG	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11a/b/g/n	None	None	Black	BT	Win7 Pro64	02/13
3358-AWG	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Black	BT	Win7 Pro64	02/13
3358-B7G	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Blue	BT	Win8 64	03/13
3358-BEG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	None	None	Black	BT	Win8 64	05/13
3358-BDG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	None	None	Black	BT	Win7 Pro64	05/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i3-2375M processor (2 cores, 1.50GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3217U processor (2 cores, 1.80GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i3-3227U processor (2 cores, 1.90GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced February 19, March 19 or May 21, 2013

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ThinkPad® Edge E135 3359 (AMD) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3359-64G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	BT	6	Pro 64	07/12
3359-62G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Red	None	BT	6	Prem 64	07/12
3359-5ZG	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	Prem 64	07/12
3359-5YG	E2-1800	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11b/g/n	Red	None	BT	6	Prem 64	07/12

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E-300** (dual-core, 1.30GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) **AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, integrated DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD 6310** or **7340 graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**AMD A68M FCH Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced July 10, 2012

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ThinkPad® Edge E135 3359 (AMD) - TopSeller (DOS)

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3359-65G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	07/12
3359-63G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	07/12
3359-7EG	E2-2000	4GBx1	11.6" HD	glossy	720p	500G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	03/13
3359-7FG	E2-2000	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	04/13

● ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E-300** (dual-core, 1.30GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, DDR3 memory controller (up to 1066MHz) **AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor E2-2000** (dual-core, 1.75GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD 6310** or **7340 graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**AMD A68M FCH Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- DOS-Lic.

Supports ThinkVantage® technologies

65-watt AC adapter
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced July 10, 2012; March 19 or April 16, 2013

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ThinkPad® Edge E135 3359 (AMD) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3359-6EG	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	10/12
3359-68G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	Win8 64	10/12
3359-67G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11b/g/n	Red	None	BT	6	Win8 64	10/12
3359-66G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	BT	6	Win8 Pro64	10/12
3359-72G	E2-2000	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Red	None	BT	6	Win8 64	02/13
3359-6ZG	E2-2000	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	02/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7340 Graphics, DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor E2-2000** (dual-core, 1.75GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD 7340 graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**AMD A68M FCH Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012 or February 19, 2013

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Lenovo® ThinkPad Edge E145

Lenovo ThinkPad Edge E145

Lenovo ThinkPad Edge E145

Lenovo ThinkPad Edge E145

Lenovo ThinkPad Edge E145

Lenovo ThinkPad Edge E145

ThinkPad® Edge E145 20BC (AMD) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
20BC0000++	E1-2500	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Red	None	BT	6	Win8 64	08/13
20BC0005++	E1-2500	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	08/13
20BC0006++	E1-2500	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	08/13
20BC000U++	A4-5000	4GBx2	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win8 64	10/13
20BC0008++	A4-5000	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	10/13
20BC000W++	E1-2500	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	01/14
20BCA00L++	E1-2500	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	01/14
20BC000X++	A4-5000	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	01/14
20BC000YIU	E1-2500	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	02/14
20BC0010IU	A4-5000	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	02/14

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E1-2500** (dual-core, 1.40GHz, 2MB L2 cache), integrated AMD Radeon HD 8240 Graphics, integrated DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor A4-5000** (quad-core, 1.50GHz, 2MB L2 cache), integrated AMD Radeon HD 8330 Graphics, integrated DDR3 memory controller (up to 1600MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD 8240 graphics** or **HD 8330 graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 1920x1200 (VGA)@60Hz; 1920x1080 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell (62.4Whr), HW Authentication
Battery - life[10]	*MobileMark 2007:* up to 12.7 hr *MobileMark 2012:* up to 9.2 hr
Platform	**AMD SoC (System on Chip) platform**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models (exclude DOS and No OS models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (exclude DOS and No OS models)
ENERGY STAR® compliant (exclude DOS and No OS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced August 27, or October 15, 2013; January 7, or February 4, 2014

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Lenovo® ThinkPad Edge E330

Lenovo ThinkPad Edge E330

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ThinkPad® Edge E330 3354 (Intel) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-4SG	i3-2370M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Prem 64	05/12
3354-4RG	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	05/12
3354-4QG	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Pro 64	05/12
3354-95G	Pen B970	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Prem 64	06/12
3354-96G	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	06/12
3354-9RG	i3-2328M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Prem 64	08/12
3354-9QG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	08/12

● ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Pentium® B970 processor (2 cores, 2.30GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2370M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics** or **Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14]
(Windows 7 models; only some listed)
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced May 29, June 12, June 26 or August 14, 2012

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ThinkPad® Edge E330 3354 (Intel) - TopSeller - II

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-93G	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Pro 64	06/12
3354-4NG	i5-3210M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Pro 64	06/12
3354-BFG	i5-3210M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	08/12
3354-ALG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	08/12
3354-AHG	i5-3210M	4GBx1	13.3" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	08/12

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14]
(Windows 7 models; only some listed)
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 26 or August 28, 2012

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ThinkPad® Edge E330 3354 (Intel) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-BNG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	10/12
3354-BMG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	10/12
3354-BKG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win7 Pro64	10/12
3354-BJG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win7 Pro64	10/12
3354-AVG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win8 Pro64	10/12
3354-ATG	i5-3210M	4GBx1	13.3" HD	720p	750G 5400	Intel 2230 + BT	16GB	None	Blue	6	Win8 64	10/12
3354-ASG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win8 Pro64	10/12
3354-ARG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	10/12
3354-AQG	i3-3110M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	10/12
3354-APG	i3-2328M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	10/12
3354-ANG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	10/12
3354-AMG	Pen B980	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	10/12
3354-CSG	i3-2348M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	01/13
3354-CRG	i3-2348M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	01/13
3354-CQG	i3-2348M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	01/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Pentium® B980 processor (2 cores, 2.40GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2348M processor (2 cores, 2.30GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics**, **Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black, Heatwave red or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

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ThinkPad® Edge E330 3354 (Intel) - TopSeller (Windows 8) - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-DZG	i3-3120M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	02/13
3354-DYG	i3-2348M	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	Win8 64	02/13
3354-DXG	i3-2348M	4GBx1	13.3" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	02/13
3354-DWG	i3-3120M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	02/13
3354-DVG	i3-3120M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	02/13
3354-DUG	i3-3120M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win7 Pro64	02/13
3354-DTG	i5-3230M	4+4GB	13.3" HD	720p	750G 5400	Intel 2230 + BT	None	None	Blue	6	Win8 64	02/13
3354-DSG	i5-3230M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win7 Pro64	02/13
3354-E9G	i3-3110M	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	Win8 64	05/13
3354-E8G	i3-3110M	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	05/13
3354-EGG	i5-3230M	4GBx2	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Blue	6	Win8 64	12/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i3-2348M processor (2 cores, 2.30GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i3-3120M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black, Heatwave red or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed, exclude DOS models)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models(exclude DOS models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (exclude DOS models)
ENERGY STAR® 5.0-compliant (exclude DOS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced May 21, or December 17, 2013

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ThinkPad® Edge E330 3354 (Intel) - Optimus (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-94G	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Blue	6	Prem 64	06/12
3354-4PG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Red	6	Prem 64	06/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® 610M**, PCI Express® x16, **1GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Arctic Blue or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Ready to install applications[14] (only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14] (only some listed)
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 26, 2012

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ThinkPad® Edge E330 3354 (Intel) - Optimus (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-AUG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Red	6	Win8 64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® 610M**, PCI Express® x16, **1GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows 8 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E335 3355 (AMD) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3355-64G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	DOS-Lic.	07/12
3355-63G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Red	6	Prem 64	07/12
3355-62G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Prem 64	07/12
3355-5ZG	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Pro 64	07/12
3355-5YG	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Pro 64	07/12

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.7mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**AMD A68M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1, Wi-Fi / BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14]
(Windows 7 models; only some listed)
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced July 17, 2012

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ThinkPad® Edge E335 3355 (AMD) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3355-6AG	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	10/12
3355-69G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Win7 Pro64	10/12
3355-68G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Win8 Pro64	10/12
3355-67G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Win8 Pro64	10/12
3355-66G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	10/12
3355-65G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Red	6	Win8 64	10/12
3355-72G	E2-2000	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	DOS-Lic.	02/13
3355-6ZG	E2-2000	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	02/13
3355-6YG	E2-2000	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	02/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7340 Graphics, DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor E2-2000** (dual-core, 1.75GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.7mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**AMD A68M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1, Wi-Fi / BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed, exclude DOS models)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models(exclude DOS models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (exclude DOS models)
ENERGY STAR® 5.0-compliant (exclude DOS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012 or February 19, 2013

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ThinkPad®

Lenovo® ThinkPad Edge S430

Lenovo ThinkPad Edge S430

Lenovo ThinkPad Edge S430

Lenovo ThinkPad Edge S430

Lenovo ThinkPad Edge S430

Lenovo ThinkPad Edge S430

ThinkPad® Edge S430 3364 (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3364-3DG	i7-3520M	4GBx2	14.0" HD+	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Pro 64	06/12

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external digital monitor via mini-HDMI™ (HDCP-compliant) or Mini DisplayPort; supports dual independent display; *Max external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200 (HDMI via optional mini-HDMI cable)@60Hz; 2048x1536 (VGA)@75Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.82" x 9.37" x 0.87-0.95"; 351mm x 238mm x 22.2-24.2mm
Weight[2]	*4-cell:* from 3.97 lb (1.8kg)
Case color	Mocha black (top), trimmed with a thin silver band (side); black bottom
Case material	*Display cover :* Magnesium/Aluminum; *Bottom:* Magnesium/Aluminum
Battery - type[37]	Integrated Lithium Polymer 4-cell
Battery - life[10]	*4-cell (48.8Whr):* up to 7.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, ethernet (RJ-45), one mini-HDMI, one Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i5 discrete models and i7 models, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- TrueSuite™ (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 19, 2012

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ThinkPad® Edge S430 3364 (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3364-5HG	i7-3520M	4GBx2	14.0" HD+	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Win7 Pro64	10/12
3364-57G	i7-3520M	4GBx2	14.0" HD+	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Win8 Pro64	10/12

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external digital monitor via mini-HDMI™ (HDCP-compliant) or Mini DisplayPort; supports dual independent display; *Max external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200 (HDMI via optional mini-HDMI cable)@60Hz; 2048x1536 (VGA)@75Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.82" x 9.37" x 0.87-0.95"; 351mm x 238mm x 22.2-24.2mm
Weight[2]	*4-cell:* from 3.97 lb (1.8kg)
Case color	Mocha black (top), trimmed with a thin silver band (side); black bottom
Case material	*Display cover :* Magnesium/Aluminum; *Bottom:* Magnesium/Aluminum
Battery - type[37]	Integrated Lithium Polymer 4-cell
Battery - life[10]	*4-cell (48.8Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, ethernet (RJ-45), one mini-HDMI, one Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i5 discrete models and i7 models, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge S430 3364 (Optimus) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3364-3EG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2230	16GB mSATA	Finger	BT	4	Prem 64	06/12

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA™ SSD	mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® GT 620M**, PCI Express® x16, **2GB** memory, supports external digital monitor via mini-HDMI™ (HDCP-compliant) or Mini DisplayPort; supports dual independent display; *Max external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200 (HDMI via optional mini-HDMI cable)@60Hz; 2048x1536 (VGA)@85Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.82" x 9.37" x 0.87-0.95"; 351mm x 238mm x 22.2-24.2mm
Weight[2]	*4-cell:* from 3.97 lb (1.8kg)
Case color	Mocha black (top), trimmed with a thin silver band (side); black bottom
Case material	*Display cover :* Magnesium/Aluminum; *Bottom:* Magnesium/Aluminum
Battery - type[37]	Integrated Lithium Polymer 4-cell
Battery - life[10]	*4-cell (48.8Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, ethernet (RJ-45), one mini-HDMI, one Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i5 discrete models and i7 models, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	None
Carrier	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7
Home Premium 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- TrueSuite™ (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 19, 2012

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ThinkPad® Edge S430 3364 (Optimus) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3364-5JG	i7-3520M	4GBx2	14.0" HD+	720p	128G SSD	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Win7 Pro64	10/12
3364-58G	i7-3520M	4GBx2	14.0" HD+	720p	128G SSD	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Win8 Pro64	10/12
3364-56G	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2230	16GB	None	Finger	BT	4	Win8 64	10/12
3364-7AG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	TP 11a/b/g/n	None	None	Finger	BT	4	Win7 Pro64	03/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® GT 620M**, PCI Express® x16, **2GB** memory, supports external digital monitor via mini-HDMI™ (HDCP-compliant) or Mini DisplayPort; supports dual independent display; *Max external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200 (HDMI via optional mini-HDMI cable)@60Hz; 2048x1536 (VGA)@85Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.82" x 9.37" x 0.87-0.95"; 351mm x 238mm x 22.2-24.2mm
Weight[2]	*4-cell:* from 3.97 lb (1.8kg)
Case color	Mocha black (top), trimmed with a thin silver band (side); black bottom
Case material	*Display cover :* Magnesium/Aluminum; *Bottom:* Magnesium/Aluminum
Battery - type[37]	Integrated Lithium Polymer 4-cell
Battery - life[10]	*4-cell (48.8Whr):* up to 5.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, ethernet (RJ-45), one mini-HDMI, one Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i5 discrete models and i7 models, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012 or March 19, 2013

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ThinkPad®

Lenovo® ThinkPad Edge E531

Lenovo ThinkPad Edge E531

Lenovo ThinkPad Edge E531
with Numeric Keypad

ThinkPad® Edge E531 6885 (Intel) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6885-2CG	i3-3120M	4GBx1	15.6" HD	720p	128G SSD	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	04/13
6885-2EG	i3-3120M	4GBx1	15.6" HD	720p	128G SSD	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	04/13
6885-2FG	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	04/13
6885-2GG	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Red	Finger	6	48	Win8 64	04/13
6885-2HG	i5-3230M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	DOS-Lic.	04/13
6885-2JG	i3-2348M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	04/13
6885-2KG	i3-2348M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	04/13
6885-67G	i5-3230M	4GBx1	15.6" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	04/13
6885-68G	i7-3632QM	4GBx1	15.6" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	04/13
6885-69G	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	04/13
6885-BPG	i5-3230M	4GBx1	15.6" FHD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	06/13
6885-2AG	i5-3230M	4GBx1	15.6" FHD	720p	128G SSD	Intel 2230 + BT	Ericsson	selectable	Numpad	Black	Finger	6	48	Win7 Pro64	07/13
6885-9WG	i3-3110M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	06/13
6885-9XG	i3-3110M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	06/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-2348M processor (2 cores, 2.30GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i3-3120M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology **Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	None
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **FHD (1920x1080) color**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm
Weight[2]	*6-cell:* from 5.4 lb (2.46kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr *6-cell (62Whr):* up to 8.1 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	*Some:* Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 Card
SIM card	*Some:* User selectable, contract required with service provider
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed, exclude DOS models)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models (exclude DOS models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (exclude DOS models)
ENERGY STAR® 5.2-compliant (exclude DOS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

WE model(s) announced April 30, June 11, June 25 or July 2, 2013

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ThinkPad® Edge E531 6885 (Intel) - TopSeller (Windows 8) - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6885-DBG	i3-3120M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	None	11/13
6885-DCG	i3-3110M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	None	11/13
6885-DDG	i3-3120M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win8 64	11/13
6885-DFG	i3-3110M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win8 64	11/13
6885-DHG	i5-3110M	4GBx1	15.6" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Numpad	Black	None	6	48	Win8 64	11/13
6885-DKG	i3-3110M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	11/13
6885-DLG	i3-3120M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	11/13
6885-DMG	i5-3230M	4GBx1	15.6" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	11/13
6885-DNG	i5-3230M	4GBx1	15.6" HD	720p	1TB 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	11/13
6885-DPG	i7-3632QM	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win8 64	11/13
6885-DRG	i7-3632QM	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	11/13
6885-EYG	i7-3632QM	4GBx1	15.6" HD	720p	1TB 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win8 64	12/13
6885-EXG	i7-3632QM	4GBx1	15.6" HD	720p	1TB 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	None	12/13
6885-EVG	i5-3230M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win8 64	12/13
6885-EUG	i5-3230M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	None	12/13
6885-ETG	2030M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	None	12/13
6885-ERG	2030M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	None	6	48	Win8 64	12/13
6885-FFG	i5-3230M	4GBx1	15.6" HD	720p	1TB 5400	TP 11a/b/g/n + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	01/14

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Pentium® 2030M Processor** (**2 cores, 2.50 GHz, 2MB Cache**), **Intel HD Graphics**, DDR3 memory controller (up to 1600MHz) **Intel Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i3-3120M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology **Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	None
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **FHD (1920x1080) color**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
Dimensions[3]	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm
Weight[2]	*6-cell:* from 5.4 lb (2.46kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr *6-cell (62Whr):* up to 8.1 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
SIM card	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* No operating system
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed, exclude No OS models)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
(exclude No OS models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (exclude No OS models)
ENERGY STAR® 5.2-compliant (exclude No OS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

WE model(s) announced November 19, or December 17, 2013 or January 7, 2014

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ThinkPad® Edge E531 6885 (Intel) - Optimus (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Discrete graphics	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6885-26G	i7-3632QM	4GBx1	15.6" FHD	GT740M	720p	1TB 5400	Intel 2230 + BT	24G	Numpad	Black	Finger	6	62	Win7 Pro64	04/13
6885-27G	i7-3632QM	8GBx1	15.6" FHD	GT740M	720p	1TB 5400	Intel 2230 + BT	24G	Numpad	Red	Finger	6	62	Win8 64	04/13
6885-29G	i5-3230M	4GBx1	15.6" FHD	GT740M	720p	500G 7200	Intel 2230 + BT	None	Numpad	Black	Finger	6	48	Win7 Pro64	04/13
6885-9YG	i7-3632QM	8GBx1	15.6" FHD	GT740M	720p	1TB 5400	Intel 2230 + BT	24G	Numpad	Black	Finger	6	62	Win8 64	06/13
6885-B6G	i3-3120M	4GBx1	15.6" HD	710M	720p	500G 7200	Intel 2230 + BT	None	Numpad	Black	Finger	6	48	Win8 64	06/13
6885-B7G	i3-3120M	4GBx1	15.6" HD	710M	720p	128G SSD	Intel 2230 + BT	None	Numpad	Black	Finger	6	48	Win7 Pro64	06/13
6885-B8G	i5-3230M	8GBx1	15.6" FHD	GT740M	720p	1TB 5400	Intel 2230 + BT	None	Numpad	Black	Finger	6	48	Win8 64	06/13

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-3120M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology **Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **FHD (1920x1080) color**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® 710M**, PCI Express® x 8, **1GB** memory, DirectX® 11.1, or **NVIDIA GeForce® GT740M**, PCI Express® x 8, **2GB** memory, DirectX® 11.1, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm
Weight[2]	*6-cell:* from 5.5 lb (2.49kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr *6-cell (62Whr):* up to 8.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2 / Dolby Advanced Audio v2 certified / Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.2-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced April 30 or June 11, 2013

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ThinkPad®

Lenovo® ThinkPad Edge E540

Lenovo ThinkPad Edge E540

Lenovo ThinkPad Edge E540
with Numeric Keypad

Lenovo ThinkPad Edge E540
with Touch Screen

Lenovo ThinkPad Edge E540
with Touch Screen

Lenovo ThinkPad Edge E540
with Touch Screen

ThinkPad® Edge E540 20C6 (Intel) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20C60043++	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	None	10/13
20C6004J++	i3-4000M	4GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	10/13
20C60042++	i5-4200M	4GBx1	15.6" FHD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	10/13
20C6003U++	i3-4000M	4GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	10/13
20C60041++	i3-4000M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 ac + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	10/13
20C60046++	i7-4702MQ	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 ac + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	10/13
20C6004G++	i5-4200M	4GBx1	15.6" FHD	720p	128G SSD	Intel 7260 + BT	Ericsson	select	Numpad	Black	Finger	6	48	Win7 Pro64	10/13
20C6003T++	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 ac + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	10/13
20C6006H++	i3-4000M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	None	11/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-4000M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4600**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-4200M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4600**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-4702MQ processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4600**, DDR3L memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	None
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768)**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio *Some:* **15.6"** (396mm) **FHD (1920x1080)**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4600** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm
Weight[2]	*6-cell:* from 5.4 lb (2.46kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr *6-cell (62Whr):* up to 7.4 hr
Chipset	**Mobile Intel HM87 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Half Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 *Some:* 11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	*Some:* Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 Card
SIM card	*Some:* User selectable, contract required with service provider
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant CX20751-21Z codec / stereo speakers, Dolby Advanced Audio v2 certified / Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* No operating system
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed, exclude No OS models)

- Windows 7 models
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (exclude No OS models)
ENERGY STAR® 5.2-compliant (exclude No OS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 1, October 15, or November 19, 2013

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ThinkPad® Edge E540 20C6 (Intel) - Optimus (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Discrete graphics	Camera	Disk SATA GB[8]	rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20C6003Y++	i3-4000M	4GBx1	15.6" HD	710M	720p	500G	7200	Intel 7260 + BT	None	Numpad	Black	Finger	6	48	Win8 64	10/13
20C60044++	i7-4702MQ	8GBx1	15.6" FHD	GT740M	720p	1TB	5400	Intel 7260 + BT	16GB	Numpad	Red	Finger	6	62	Win8 64	10/13
20C60045++	i5-4200M	8GBx1	15.6" FHD	GT740M	720p	1TB	5400	Intel 7260 + BT	None	Numpad	Black	Finger	6	48	Win8 64	10/13
20C6003V++	i5-4200M	4GBx1	15.6" FHD	GT740M	720p	500G	7200	Intel 7260 + BT	None	Numpad	Black	Finger	6	48	Win7 Pro64	10/13
20C60040++	i3-4000M	4GBx1	15.6" FHD	710M	720p	128G	SSD	Intel 7260 + BT	None	Numpad	Black	Finger	6	48	Win7 Pro64	10/13
20C6003Q++	i7-4702MQ	8GBx1	15.6" FHD	GT740M	720p	1TB	5400	Intel 7260 + BT	16GB	Numpad	Black	Finger	6	62	Win7 Pro64	10/13
20C6003A++	i7-4702MQ	4GBx1	15.6" FHD	GT740M	720p	1TB	5400	Intel 7260 + BT	16GB	Numpad	Black	Finger	6	62	Win7 Pro64	10/13
20C6006G++	i3-4000M	4GBx1	15.6" HD	GT740M	720p	500G	7200	Intel 7260 + BT	None	Numpad	Black	Finger	6	48	None	11/13
20C6006J++	i5-4200M	4GBx1	15.6" HD	GT740M	720p	500G	7200	Intel 7260 + BT	None	Numpad	Black	Finger	6	48	None	11/13
20C6008F++	i7-4702MQ	8GBx1	15.6" FHD	GT740M	720p	1TB	5400	Intel 7260 + BT	16GB	Numpad	Black	Finger	6	62	Win8 64	12/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-4000M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4600**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-4200M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4600**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-4702MQ processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4600**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768)**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio *Some:* **15.6"** (396mm) **FHD (1920x1080)**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4600** in processor, and **NVIDIA GeForce® 710M**, PCI Express® x 8, **1GB** memory, DirectX® 11.1, or **NVIDIA GeForce® GT740M**, PCI Express® x 8, **2GB** memory, DirectX® 11.1, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm
Weight[2]	*6-cell:* from 5.4 lb (2.46kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr *6-cell (62Whr):* up to 7.4 hr
Chipset	**Mobile Intel HM87 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Half Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant CX20751-21Z codec / stereo speakers, Dolby Advanced Audio v2 certified / Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* No operating system
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed, exclude No OS models)

- Windows 7 models
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating (exclude No OS models)
ENERGY STAR® 5.2-compliant (exclude No OS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

WE model(s) announced October 1, October 15, November 19, or December 17, 2013

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ThinkPad® Edge E540 20C6 (Intel) - TopSeller (MultiTouch)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8]	rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20C6003X++	i5-4200M	8GBx1	15.6" HD Touch	720p	500G	7200	Intel 7260 ac + BT	16GB	Numpad	Black	Finger	6	62	Win8 64	10/13
20C6004M++	i3-4000M	4GBx1	15.6" HD Touch	720p	128G	SSD	Intel 7260 ac + BT	None	Numpad	Black	Finger	6	48	Win8 64	10/13
20C6003W++	i7-4702MQ	8GBx1	15.6" HD Touch	720p	1TB	5400	Intel 7260 ac + BT	None	Numpad	Black	Finger	6	48	Win8 64	10/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-4000M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4600**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-4200M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4600**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-4702MQ processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4600**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768)**, anti-glare, 10-point touch screen LED backlight, 200 nits, 16:9 aspect ratio *Some:* **15.6"** (396mm) **FHD (1920x1080)**, anti-glare, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4600** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm
Weight[2]	*6-cell:* from 5.4 lb (2.46kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr *6-cell (62Whr):* up to 7.4 hr
Chipset	**Mobile Intel HM87 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Half Mini Card slot
PCIe WLAN[4]	11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant CX20751-21Z codec / stereo speakers, Dolby Advanced Audio v2 certified / Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows 8 64-bit

Preloaded applications (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.2-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 1, 2013

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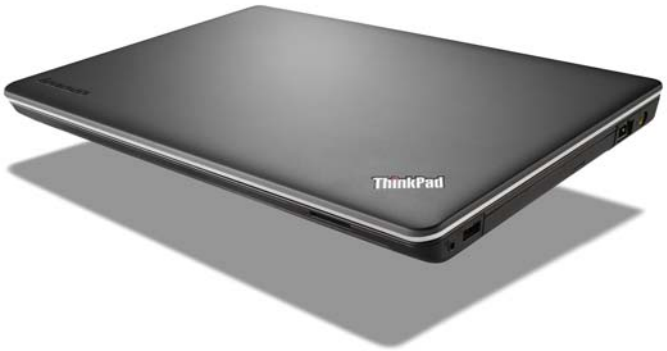
ThinkPad®

Lenovo® ThinkPad Edge E545



Lenovo ThinkPad Edge E545

Lenovo ThinkPad Edge E545

Lenovo ThinkPad Edge E545

Lenovo ThinkPad Edge E545

Lenovo ThinkPad Edge E545

ThinkPad® Edge E545 20B2 (AMD) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8]	rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Micro-phone	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
20B2000N++	A10-5750M	4GBx1	15.6" HD	720p	1TB	5400	TP 11b/g/n + BT	None	Numpad	Matte black	Stereo	None	6	Win8 64	08/13
20B2000L++	A8-5550M	8GBx1	15.6" HD	720p	1TB	5400	TP 11b/g/n + BT	None	Numpad	Matte black	Stereo	None	6	DOS-Lic.	08/13
20B2000K++	A8-5550M	4GBx1	15.6" HD	720p	500G	5400	TP 11b/g/n + BT	None	Numpad	Matte black	Stereo	None	6	Win7 Pro64	08/13
20B20015++	A8-4500M	4GBx1	15.6" HD	720p	500G	5400	TP 11b/g/n + BT	None	Numpad	Matte black	Stereo	None	6	DOS-Lic.	09/13
20B2000T++	A8-4500M	4GBx1	15.6" HD	720p	500G	5400	TP 11b/g/n + BT	None	Numpad	Matte black	Stereo	None	6	Win8 64	09/13
20B20010++	A8-4500M	4GBx1	15.6" HD	720p	500G	5400	TP 11b/g/n + BT	None	Numpad	Matte black	Stereo	None	6	Win7 Pro64	09/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**AMD Accelerated Processor A8-4500M** (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz) **AMD Accelerated Processor A8-5550M** (quad-core, 2.10GHz, 4MB L2 cache), integrated AMD Radeon HD 8550G Graphics, AMD Turbo Core technology (up to 3.10GHz), integrated DDR3 memory controller (up to 1600MHz) **AMD Accelerated Processor A10-5750M** (quad-core, 2.50GHz, 4MB L2 cache), integrated AMD Radeon HD 8650G Graphics, AMD Turbo Core technology (up to 3.50GHz), integrated DDR3 memory controller (up to 1600MHz)
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm
Weight[2]	*6-cell:* from 5.2 lb (2.37kg)
Case color	Matte black (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr
Chipset	**AMD A76M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone or Mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models (exclude DOS and No OS models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (exclude DOS and No OS models)
ENERGY STAR® 5.0-compliant (exclude DOS and No OS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

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ThinkPad® Edge E545 20B2 (AMD) - Discrete (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
20B2000P++	A10-5750M	8GBx1	15.6" HD	720p	1TB 5400	TP 11b/g/n + BT	None	Numpad	Matte black	None	6	DOS-Lic.	08/13
20B2000M++	A8-5550M	8GBx1	15.6" HD	720p	1TB 5400	TP 11b/g/n + BT	None	Numpad	Matte black	None	6	Win8 64	08/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**AMD Accelerated Processor A8-5550M** (quad-core, 2.10GHz, 4MB L2 cache), integrated AMD Radeon HD 8550G Graphics, AMD Turbo Core technology (up to 3.10GHz), integrated DDR3 memory controller (up to 1600MHz) **AMD Accelerated Processor A10-5750M** (quad-core, 2.50GHz, 4MB L2 cache), integrated AMD Radeon HD 8650G Graphics, AMD Turbo Core technology (up to 3.50GHz), integrated DDR3 memory controller (up to 1600MHz)
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon HD 8570M Graphics**, PCI Express® x16, **2GB** memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg)
Case color	Matte black (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr
Chipset	**AMD A76M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Windows 8 64-bit

Preloaded applications[14] (only some listed, exclude DOS models)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating (exclude DOS models)
ENERGY STAR® 5.0-compliant (exclude DOS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced August 20, 2013

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ThinkPad®

Lenovo® ThinkPad S1 Yoga

Lenovo ThinkPad S1 Yoga

Lenovo ThinkPad S1 Yoga

Lenovo ThinkPad S1 Yoga

Lenovo ThinkPad S1 Yoga

Lenovo ThinkPad S1 Yoga

ThinkPad® S1 Yoga (20CD) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Screen type	Pen	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	M.2 Card WWAN /SSD	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
20CD0034++	i3-4010U	4GB	12.5" FHD	anti-glare	Pen	720p	500G 5400	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	11/13
20CD0015++	i3-4010U	4GB	12.5" HD	anti-smudge	None	720p	500G 5400	Intel 7260 + BT	16GB	None	Black	8	Win8.1 64	11/13
20CD0001++	i7-4500U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	Intel 7260 ac + BT	None	None	Black	8	Win8.1 64	11/13
20CD0038++	i7-4500U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	Intel 7260 ac + BT	None	None	Black	8	Win8.1 Pro64	11/13
20CD000M++	i5-4200U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 5400	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	11/13
20CD0035++	i5-4200U	8GB	12.5" FHD	anti-glare	Pen	720p	1TB 5400	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 64	11/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Convertible tablet ultrabook™; one spindle*
Processor	**Intel® Core™ i3-4010U processor (2 cores, 1.70GHz, 3MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-4200U processor (2 cores, 1.60GHz, 3MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology **Intel Core i7-4500U processor (2 cores, 1.80GHz, 4MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	4GB or 8GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **12.5"** (317.5mm) **HD (1366x768) TFT color**, smudgeless, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio, IPS; *Some:* **12.5"** (317.5mm) **FHD (1920x1080) TFT color**, anti-glare, 10-point touch screen with Pen, LED backlight, 400 nits, 16:9 aspect ratio, IPS
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4400** in processor, supports external digital monitor via Mini HDMI; supports dual independent display; *Maximum external resolution:* 1920x1200 (Mini HDMI)@60Hz
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys, LED backlight
TrackPoint®	TrackPoint pointing device
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
Light sensor	Ambient light sensor
ThinkLight™	None
Dimensions[3]	*8-cell:* 12.44" x 8.70" x 0.74"; 316mm x 221mm x 18.8mm *8-cell with Pen:* 12.44" x 8.70" x 0.76"; 316mm x 221mm x 19.4mm
Weight[2]	*8-cell:* from 3.46 lb (1.57kg) *8-cell with Pen:* from 3.59 lb (1.63kg)
Case material	*Display cover:* Magnesium and Aluminum + Polyphenylene sulfide (PPS); *Bottom:* Magnesium and Aluminum + Polyphenylene sulfide (PPS);
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication
Battery - life[10]	*8-cell (47Whr):* up to 7.0 hr
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)
ExpressCard	None
Ports	Two USB 3.0(one powered), external monitor (mini-HDMI)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 *Some:* 11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2
M.2 Card	One M.2 Card slot for support of SSD
WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	None
Intel AMT	None
Audio support	High Definition (HD) Audio, Conexant CX20751 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows 8.1 64-bit
- *Some:* Windows 8.1 Pro 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

45-watt AC Adapter
ENERGY STAR® compliant
ROHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced November 5, 2013

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ThinkPad® S1 Yoga (20C0)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Screen type	Pen	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	M.2 Card WWAN /SSD	Top color	Battery cells	Global (G)	Preload	Ann date (mm/yy)
20C0003W++	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C0004W++	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C00049++	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C0004V++	i5-4300U	8GB	12.5" HD	anti-smudge	No	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C00041++	i7-4600U	8GB	12.5" HD	anti-smudge	No	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C0004P++	i5-4300U	4GB	12.5" HD	anti-smudge	No	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C00045++	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004J++	i7-4600U	8GB	12.5" FHD	anti-smudge	No	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004E++	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004N++	i7-4600U	8GB	12.5" HD	anti-smudge	No	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004L++	i7-4600U	8GB	12.5" FHD	anti-smudge	No	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004B++	i5-4300U	4GB	12.5" HD	anti-smudge	No	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C00046++	i5-4300U	4GB	12.5" HD	anti-smudge	No	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C00042++	i5-4300U	8GB	12.5" HD	anti-smudge	No	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004U++	i7-4600U	8GB	12.5" HD	anti-smudge	No	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0003X++	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004R++	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Convertible tablet ultrabook™; one spindle*
Processor	**Intel® Core™ i5-4300U processor (2 cores, 1.90GHz, 3MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i7-4600U processor (2 cores, 2.10GHz, 4MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology
Memory	4GB or 8GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **12.5"** (317.5mm) **HD (1366x768) TFT color**, smudgeless, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio, IPS; *Some:* **12.5"** (317.5mm) **FHD (1920x1080) TFT color**, smudgeless, 10-point touch screen LED backlight, 400 nits, 16:9 aspect ratio, IPS; *Some:* **12.5"** (317.5mm) **FHD (1920x1080) TFT color**, anti-glare, 10-point touch screen with Pen, LED backlight, 400 nits, 16:9 aspect ratio, IPS
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4400** in processor, supports external digital monitor via Mini HDMI; supports dual independent display; *Maximum external resolution:* 1920x1200 (Mini HDMI)@60Hz
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys, LED backlight
TrackPoint®	TrackPoint pointing device
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
Light sensor	Ambient light sensor
ThinkLight™	None
Dimensions[3]	*8-cell:* 12.44" x 8.70" x 0.74"; 316mm x 221mm x 18.8mm *8-cell with Pen:* 12.44" x 8.70" x 0.76"; 316mm x 221mm x 19.4mm
Weight[2]	*8-cell:* from 3.46 lb (1.57kg) *8-cell with Pen:* from 3.59 lb (1.63kg)
Case material	*Display cover:* Magnesium and Aluminum + Polyphenylene sulfide (PPS); *Bottom:* Magnesium and Aluminum + Polyphenylene sulfide (PPS);
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication
Battery - life[10]	*8-cell (47Whr):* up to 7.0 hr
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)
ExpressCard	None
Ports	Two USB 3.0(one powered), external monitor (mini-HDMI)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2
M.2 Card	One M.2 Card slot for support of SSD
WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	None
Intel vPro	Intel vPro
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	High Definition (HD) Audio, Conexant CX20751 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	None
Limited warranty[12]	**3-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows 8.1 Pro 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

45-watt AC Adapter
ENERGY STAR® compliant
ROHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced January 28, 2014

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ThinkPad® S1 Yoga (20C0) - Onsite

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Screen type	Pen	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	M.2 Card WWAN /SSD	Top color	Bat-tery cells	Global (G)	Preload	Ann date (mm/yy)
20C0004D++	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C00040++	i5-4300U	4GB	12.5" HD	anti-smudge	No	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C0004C++	i7-4600U	8GB	12.5" HD	anti-smudge	No	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C0004F++	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C0003Y++	i5-4300U	8GB	12.5" HD	anti-smudge	No	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C0004A++	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	Black	8	G	Win8.1 Pro64	01/14
20C00047++	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C00043++	i5-4300U	8GB	12.5" HD	anti-smudge	No	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004K++	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004G++	i5-4300U	4GB	12.5" HD	anti-smudge	No	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C00044++	i7-4600U	8GB	12.5" FHD	anti-smudge	No	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004M++	i7-4600U	8GB	12.5" HD	anti-smudge	No	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004Q++	i5-4300U	4GB	12.5" HD	anti-smudge	No	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004H++	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004S++	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C00048++	i7-4600U	8GB	12.5" HD	anti-smudge	No	720p	180G OPAL	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14
20C0004T++	i7-4600U	8GB	12.5" FHD	anti-smudge	No	720p	256G SSD	7260 ac + BT	None	Black	8	G	Win8.1 Pro64	01/14

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Convertible tablet ultrabook™; one spindle*
Processor	**Intel® Core™ i5-4300U processor (2 cores, 1.90GHz, 3MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i7-4600U processor (2 cores, 2.10GHz, 4MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology
Memory	4GB or 8GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **12.5"** (317.5mm) **HD (1366x768) TFT color**, smudgeless, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio, IPS**;** *Some:* **12.5"** (317.5mm) **FHD (1920x1080) TFT color**, smudgeless, 10-point touch screen LED backlight, 400 nits, 16:9 aspect ratio, IPS**;** *Some:* **12.5"** (317.5mm) **FHD (1920x1080) TFT color**, anti-glare, 10-point touch screen with Pen, LED backlight, 400 nits, 16:9 aspect ratio, IPS
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4400** in processor, supports external digital monitor via Mini HDMI; supports dual independent display; *Maximum external resolution:* 1920x1200 (Mini HDMI)@60Hz
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys, LED backlight
TrackPoint®	TrackPoint pointing device
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
Light sensor	Ambient light sensor
ThinkLight™	None
Dimensions[3]	*8-cell:* 12.44" x 8.70" x 0.74"; 316mm x 221mm x 18.8mm *8-cell with Pen:* 12.44" x 8.70" x 0.76"; 316mm x 221mm x 19.4mm
Weight[2]	*8-cell:* from 3.46 lb (1.57kg) *8-cell with Pen:* from 3.59 lb (1.63kg)
Case material	*Display cover:* Magnesium and Aluminum + Polyphenylene sulfide (PPS); *Bottom:* Magnesium and Aluminum + Polyphenylene sulfide (PPS);
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication
Battery - life[10]	*8-cell (47Whr):* up to 7.0 hr
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)
ExpressCard	None
Ports	Two USB 3.0(one powered), external monitor (mini-HDMI)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2
M.2 Card	One M.2 Card slot for support of SSD
WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	None
Intel vPro	Intel vPro
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	High Definition (HD) Audio, Conexant CX20751 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	None
Limited warranty[12]	**3-year/**1-year battery, **limited onsite service** / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
- *Some:* Windows 8.1 Pro 64-bit

Preloaded applications[14] (only some listed, for Windows 8.1 models)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

45-watt AC Adapter
ENERGY STAR® compliant
ROHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced January 28, 2014

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ThinkPad®

Lenovo® ThinkPad S440

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ThinkPad® S440 20AY (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20AY007P++	i5-4200U	8GBx1	14.0" HD+	720p	256G SSD OPAL	Intel 7260 + BT	None	Black	Finger	4	46	Win7 Pro64	11/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i5-4200U processor (2 cores, 1.60GHz, 3MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
M.2 SSD	None
Widescreen display	**14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4400** in processor, external digital monitor support via HDMI™ (supporting HDCP to output protected content); *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	14.0W" (WxDxH): 13.10" x 8.85" x 0.80"; 332.8mm x 224.8mm x 20.3mm
Weight[2]	*4-cell:* from 3.92 lb (1.78kg)
Case color	Black or silver (top); black bottom
Case material	Sand Blast Aluminum (top)
Battery - type[37]	Li-Polymer 4-cell (46Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 8:* up to 6.9 hr *MobileMark 2012:* *Windows 8:* up to 5.5 hr
Chipset	**Intel 4th Generation core 1 chip** (integrated chipset with processor)
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, 2x2, Wi-Fi + Bluetooth combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20751 codec / stereo speakers, 1.5 watt x 2 / Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit

Preloaded applications[14] (only some listed)
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
ENERGY STAR® compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced November 5, 2013

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ThinkPad® S440 20AY (TopSeller) - MultiTouch

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20AY007H++	i5-4200U	8GBx1	14.0" HD+ Touch	720p	256G SSD OPAL	Intel 7260 + BT	None	Black	Finger	4	46	Win8 Pro64	08/13
20AY007C++	i3-4010U	4GBx1	14.0" HD+ Touch	720p	500G 7200	Intel 7260 + BT	16G	Black	Finger	4	46	Win8 64	08/13
20AY006E++	i3-4010U	4GBx1	14.0" HD+ Touch	720p	128G SSD	Intel 7260 + BT	None	Black	Finger	4	46	Win8 Pro64	08/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i3-4010U processor (2 cores, 1.70GHz, 3MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-4200U processor (2 cores, 1.60GHz, 3MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	**14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, 10-point touch screen LED backlight, 220 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4400** in processor, external digital monitor support via HDMI™ (supporting HDCP to output protected content); *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	14.0W" (WxDxH): 13.10" x 8.85" x 0.87"; 332.8mm x 224.8mm x 22.1mm
Weight[2]	*4-cell:* from 4.10 lb (1.86kg)
Case color	Black or silver (top); black bottom
Case material	Sand Blast Aluminum (top)
Battery - type[37]	Li-Polymer 4-cell (46Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 8:* up to 6.9 hr *MobileMark 2012:* *Windows 8:* up to 5.5 hr
Chipset	**Intel 4th Generation core 1 chip** (integrated chipset with processor)
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, 2x2, Wi-Fi + Bluetooth combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20751 codec / stereo speakers, 1.5 watt x 2 / Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
ENERGY STAR® compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced August 6, 2013

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ThinkPad® S440 20AY (AMD HD) - TopSeller (MultiTouch)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20AY001D++	i7-4500U	8GBx1	14.0" HD+ Touch	720p	256G SSD OPAL	Intel 7260 + BT	None	Black	Finger	4	46	Win8 Pro64	08/13
20AY0050++	i5-4200U	8GBx1	14.0" HD+ Touch	720p	500G 7200	Intel 7260 + BT	16G	Black	Finger	4	46	Win8 64	08/13
20AY001C++	i7-4500U	8GBx1	14.0" HD+ Touch	720p	256G SSD OPAL	Intel 7260 + BT	None	Black	Finger	4	46	Win8 64	08/13
20AY004Y++	i5-4200U	8GBx1	14.0" HD+ Touch	720p	500G 7200	Intel 7260 + BT	16G	Black	Finger	4	46	Win8 64	08/13
20AY0006++	i7-4500U	8GBx1	14.0" HD+ Touch	720p	256G SSD OPAL	Intel 7260 + BT	None	Black	Finger	4	46	Win8 64	08/13
20AY007M++	i5-4200U	8GBx1	14.0" HD+ Touch	720p	500G 7200	Intel 7260 + BT	16G	Black	Finger	4	46	Win8 64	08/13
20AY007N++	i7-4500U	8GBx1	14.0" HD+ Touch	720p	256G SSD OPAL	Intel 7260 + BT	None	Black	Finger	4	46	Win8 64	08/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i5-4200U processor (2 cores, 1.60GHz, 3MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology **Intel Core i7-4500U processor (2 cores, 1.80GHz, 4MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	**14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, 10-point touch screen LED backlight, 220 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon™ HD 8670M Graphics**, **2GB** memory external digital monitor support via HDMI™; *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	14.0W" (WxDxH): 13.10" x 8.85" x 0.87"; 332.8mm x 224.8mm x 22.1mm
Weight[2]	*4-cell:* from 4.23 lb (1.92kg)
Case color	Black or silver (top); black bottom
Case material	Sand Blast Aluminum (top)
Battery - type[37]	Li-Polymer 4-cell (46Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 8:* up to 6.7 hr *MobileMark 2012:* *Windows 8:* up to 5.3 hr
Chipset	**Intel 4th Generation core 1 chip** (integrated chipset with processor)
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, 2x2, Wi-Fi + Bluetooth combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20751 codec / stereo speakers, 1.5 watt x 2 / Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
ENERGY STAR® compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced August 6 or August 20, 2013

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ThinkPad®

Lenovo® ThinkPad S531

Lenovo ThinkPad S531

Lenovo ThinkPad S531

Lenovo ThinkPad S531

Lenovo ThinkPad S531

Lenovo ThinkPad S531

ThinkPad® S531 20B0 (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20B00004++	i5-3337U	4+2GB	15.6" HD	720p	500G 7200	Intel 2230 + BT	24G	Black	Finger	4	62.8	Win8 64	06/13
20B00003++	i3-3227U	2+2GB	15.6" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	Black	Finger	4	62.8	Win7 Pro64	06/13
20B00006++	i5-3337U	2+2GB	15.6" HD	720p	500G 7200	TP 11a/b/g/n + BT	24G	Black	Finger	4	62.8	Win7 Pro64	06/13
20B00051++	i3-3217U	2+2GB	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Black	Finger	4	62.8	Win7 Pro64	07/13
20B00008++	i5-3337U	2+4GB	15.6" FHD	720p	128G SSD	TP 11a/b/g/n + BT	None	Black	Finger	4	62.8	Win7 Pro64	07/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i3-3217U processor (2 cores, 1.80GHz, 3MB Cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i3-3227U processor (2 cores, 1.90GHz, 3MB Cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3337U processor (2 cores, 1.80GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology
Memory	10GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, 2GB memory on board, one 204-pin SO-DIMM socket
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio *Some:* **15.6"** (396mm) **FHD (1920x1080) color**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4000** in processor, external digital monitor support via HDMI™ (supporting HDCP to output protected content); *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.92" x 9.94" x 0.81"; 379.0mm x 252.4mm x 20.7mm
Weight[2]	*4-cell:* from 5.06 lb (2.29kg)
Case color	Black (top); black bottom
Case material	Sand Blast Aluminum
Battery - type[37]	Li-Polymer 4-cell (62.8Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 7:* up to 10.5 hr *MobileMark 2012:* *Windows 8:* up to 7.2 hr
Chipset	**Mobile Intel HM76 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port (supports optional 4X10A06077) external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, ALC3202 codec / JBL® stereo speakers, 1.5 watt x 2 / Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models (exclude DOS models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
ENERGY STAR® compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 11 or July 2, 2013

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ThinkPad® S531 20B0 (AMD HD) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20B0004L++	i7-3537U	2+8GB	15.6" FHD	720p	256G SSD OPAL	Intel 2230 + BT	None	Black	Finger	4	62.8	Win8 64	07/13
20B00050++	i5-3337U	2+4GB	15.6" FHD	720p	500G 7200	Intel 2230 + BT	None	Black	Finger	4	62.8	DOS-Lic.	07/13
20B0004K++	i7-3537U	2+8GB	15.6" FHD	720p	256G SSD OPAL	TP 11a/b/g/n + BT	None	Black	Finger	4	62.8	Win7 Pro64	07/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i5-3337U processor (2 cores, 1.80GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology **Intel Core i7-3537U processor (2 cores, 2.0GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	10GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, 2GB memory on board, one 204-pin SO-DIMM socket
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	None
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio *Some:* **15.6"** (396mm) **FHD (1920x1080) color**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon™ HD 8670M Graphics**, **2GB** memory external digital monitor support via HDMI™; *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.92" x 9.94" x 0.81"; 379.0mm x 252.4mm x 20.7mm
Weight[2]	*4-cell:* from 5.06 lb (2.29kg)
Case color	Black (top); black bottom
Case material	Sand Blast Aluminum
Battery - type[37]	Li-Polymer 4-cell (62.8Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 7:* up to 8.4 hr *MobileMark 2012:* *Windows 8:* up to 5.9 hr
Chipset	**Mobile Intel HM76 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port (supports optional 4X10A06077) external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, ALC3202 codec / JBL® stereo speakers, 1.5 watt x 2 / Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed, exclude DOS models)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models (exclude DOS models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
ENERGY STAR® compliant (exclude DOS models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced July 2, 2013

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ThinkPad®

Lenovo® ThinkPad S540
with Touch Screen

Lenovo ThinkPad S540

Lenovo ThinkPad S540

Lenovo ThinkPad S540

Lenovo ThinkPad S540

Lenovo® ThinkPad S540
with Touch Screen

ThinkPad® S540 20B3 (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20B30021++	i5-4200U	8GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	Ericsson	select	Black	Finger	4	62.8	Win8 Pro64	10/13
20B30027++	i3-4010U	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	16G	None	Black	Finger	4	62.8	Win8 Pro64	10/13
20B3005D++	i5-4200U	8GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	Ericsson	select	Black	Finger	4	62.8	Win7 Pro64	11/13
20B3005A++	i3-4010U	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	16G	None	Black	Finger	4	62.8	Win7 Pro64	11/13
20B30065++	i5-4200U	8GBx1	15.6" FHD	720p	500G 5400	Intel 7260 + BT	None	None	Black	Finger	4	62.8	Win7 Pro64	01/14

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i3-4010U processor (2 cores, 1.70GHz, 3MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-4200U processor (2 cores, 1.60GHz, 3MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio *Some:* **15.6"** (396mm) **FHD (1920x1080) color**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4400** in processor, external digital monitor support via HDMI™ (supporting HDCP to output protected content); *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.92" x 9.94" x 0.81"; 379.0mm x 252.4mm x 20.7mm
Weight[2]	*4-cell:* from 4.65 lb (2.11kg)
Case color	Black (top); black bottom
Case material	Sand Blast Aluminum
Battery - type[37]	Li-Polymer 4-cell (62.8Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 7:* up to 10.5 hr *MobileMark 2012:* *Windows 8:* up to 7.0 hr
Chipset	**Intel 4th Generation core 1 chip** (integrated chipset with processor)
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, 2x2, Wi-Fi + Bluetooth combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	*Some:* Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 Card
SIM card	*Some:* User selectable, contract required with service provider
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection
Audio support	High Definition (HD) Audio, ALC283 codec / JBL® stereo speakers, Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
ENERGY STAR® compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

WE model(s) announced October 15, or November 5, 2013; or January 21, 2014

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ThinkPad® S540 20B3 (AMD HD) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8]	rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20B30024++	i5-4200U	8GBx1	15.6" HD	720p	1TB	5400	Intel 7260 + BT	16G	None	Black	Finger	4	62.8	Win8 Pro64	10/13
20B3001W++	i7-4500U	8GBx1	15.6" HD	720p	256G	SSD	Intel 7260 + BT	Ericsson	select	Black	Finger	4	62.8	Win8 Pro64	10/13
20B30059++	i5-4200U	8GBx1	15.6" FHD	720p	1TB	5400	Intel 7260 + BT	16G	None	Black	Finger	4	62.8	Win7 Pro64	11/13
20B3005C++	i7-4500U	8GBx1	15.6" HD	720p	256G	SSD	Intel 7260 + BT	Ericsson	select	Black	Finger	4	62.8	Win7 Pro64	11/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i5-4200U processor (2 cores, 1.60GHz, 3MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology **Intel Core i7-4500U processor (2 cores, 1.80GHz, 4MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio *Some:* **15.6"** (396mm) **FHD (1920x1080) color**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon™ HD 8670M Graphics**, **2GB** memory external digital monitor support via HDMI™; *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.92" x 9.94" x 0.81"; 379.0mm x 252.4mm x 20.7mm
Weight[2]	*4-cell:* from 4.65 lb (2.11kg)
Case color	Black (top); black bottom
Case material	Sand Blast Aluminum
Battery - type[37]	Li-Polymer 4-cell (62.8Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 7:* up to 9.0 hr *MobileMark 2012:* *Windows 8:* up to 6.0 hr
Chipset	**Intel 4th Generation core 1 chip** (integrated chipset with processor)
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, 2x2, Wi-Fi + Bluetooth combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	*Some:* Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 Card
SIM card	*Some:* User selectable, contract required with service provider
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection
Audio support	High Definition (HD) Audio, ALC283 codec / JBL® stereo speakers, Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
ENERGY STAR® compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 15, or November 5, 2013

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ThinkPad® S540 20B3 (TopSeller) - MultiTouch

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20B3001X++	i5-4200U	8GBx1	15.6" FHD Touch	720p	500G 7200	Intel 7260 + BT	16G	None	Black	Finger	4	62.8	Win8 Pro64	10/13
20B30026++	i5-4200U	4GBx1	15.6" FHD Touch	720p	500G 7200	Intel 7260 + BT	16G	None	Black	Finger	4	62.8	Win8 64	10/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i5-4200U processor (2 cores, 1.60GHz, 3MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	**15.6"** (396mm) **FHD (1920x1080)**, anti-glare, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4400** in processor, external digital monitor support via HDMI™ (supporting HDCP to output protected content); *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.92" x 9.94" x 0.90"; 379.0mm x 252.4mm x 22.8mm
Weight[2]	*4-cell:* from 5.20 lb (2.36kg)
Case color	Black (top); black bottom
Case material	Sand Blast Aluminum
Battery - type[37]	Li-Polymer 4-cell (62.8Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 7:* up to 10.5 hr *MobileMark 2012:* *Windows 8:* up to 7.0 hr
Chipset	**Intel 4th Generation core 1 chip** (integrated chipset with processor)
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, 2x2, Wi-Fi + Bluetooth combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
SIM card	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection
Audio support	High Definition (HD) Audio, ALC283 codec / JBL® stereo speakers, Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
ENERGY STAR® compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 15, 2013

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ThinkPad® S540 20B3 (AMD HD) - TopSeller (MultiTouch)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20B3001V++	i7-4500U	8GBx1	15.6" FHD Touch	720p	256G SSD	Intel 7260 + BT	None	None	Black	Finger	4	62.8	Win8 Pro64	10/13
20B30029++	i3-4010U	4GBx1	15.6" FHD Touch	720p	500G 7200	Intel 7260 + BT	16G	None	Black	Finger	4	62.8	Win8 64	10/13
20B30014++	i7-4500U	8GBx1	15.6" FHD Touch	720p	256G SSD	Intel 7260 + BT	None	None	Black	Finger	4	62.8	Win8 64	10/13
20B30023++	i5-4200U	8GBx1	15.6" FHD Touch	720p	500G 7200	Intel 7260 + BT	16G	None	Black	Finger	4	62.8	Win8 64	10/13

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindles*
Processor	**Intel® Core™ i3-4010U processor (2 cores, 1.70GHz, 3MB Cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-4200U processor (2 cores, 1.60GHz, 3MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology **Intel Core i7-4500U processor (2 cores, 1.80GHz, 4MB cache)**, **Intel HD Graphics 4400**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
M.2 SSD	*Some:* M.2 Solid State Drive (SSD), via M.2 Card slot
Widescreen display	**15.6"** (396mm) **FHD (1920x1080)**, anti-glare, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio
Camera	HD720p resolution, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon™ HD 8670M Graphics**, **2GB** memory external digital monitor support via HDMI™; *Max external resolution:* 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	15.6W" (WxDxH): 14.92" x 9.94" x 0.90"; 379.0mm x 252.4mm x 22.8mm
Weight[2]	*4-cell:* from 5.20 lb (2.36kg)
Case color	Black (top); black bottom
Case material	Sand Blast Aluminum
Battery - type[37]	Li-Polymer 4-cell (62.8Whr)
Battery - life[10]	*MobileMark 2007:* *Windows 7:* up to 9.0 hr *MobileMark 2012:* *Windows 8:* up to 6.0 hr
Chipset	**Intel 4th Generation core 1 chip** (integrated chipset with processor)
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one powered), OneLink Docking port external monitor (HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, 2x2, Wi-Fi + Bluetooth combo adapter
M.2 Card	One M.2 Card slot for support of WWAN card or SSD
M.2 WWAN	None
SIM card	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection
Audio support	High Definition (HD) Audio, ALC283 codec / JBL® stereo speakers, Dolby® Home Theater® v4 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
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International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 15, 2013

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Product Specifications Reference (PSREF) withdrawn product books

Disclaimer
Lenovo provides the information in the Product Specifications Reference (PSREF) withdrawn product books on an "AS-IS" basis. Because the actual products have been withdrawn from marketing, the information in these withdrawn product books is no longer maintained or updated. The referenced footnote numbering may not correspond with the listed footnotes.

PSREF books for the withdrawn systems:
http://www.lenovo.com/psref/psrefs_withdrawn.html

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to: http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

[1] Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.

[2] **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.

[3] **Thinness** may vary at certain points on the system.

[4] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[6] **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[7] **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

[8] **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[10] **Battery:** These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

[12] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[13] **Internet access not included.**

[14] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

[16] **Activating Verizon Wireless Service:** Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at www.verizonwireless.com.

[17] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[18] **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For ThinkPad notebooks with Depot or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.

[19] **Depot repair service:** The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

[22] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For ThinkPad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See Lenovo Warranty Services terms and conditions for complete details and restrictions.

[23] **Activating AT&T Wireless Service:** Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T BroadbandConnect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, third-party software, additional hardware, and/or subscription to a third-party service may be required for certain solutions/applications. Additional restrictions apply, including early termination fee; see www.wireless.att.com for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

[24] **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

[27] **Based on IEEE 802.11a and 802.11b.** A customer can not upgrade to a different wireless Mini PCI adapter due to FCC regulations. Security screws prevent removal of this adapter. This wireless LAN product has been designed to permit legal operation world-wide in regions which it is approved. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

[28] **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

[30] **Measures only maximum** data transfer rate, not application performance. Many factors affect application performance.

[32] **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

[35] **Operating system:** Level of support varies by operating system. Operating systems not preloaded on the system may not provise full feature functionality. Refer to **lenovo.com**/think/support and enter your machine type and model number for more information.

[37] **Battery:** The ThinkPad Edge and ThinkPad SL series do not support batteries that are not genuine Lenovo-made or authorized. These systems will continue to boot, but may not charge unauthorized batteries.
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